

Bibliography of analytical, nutritional and clinical methods

(4 weeks journals. Search completed at 30th. May 2007)

1. Reviews

Cuevas-Glory LF, Pino JA, Santiago LS, Sauri-Duch E// Inst Tecnol Merida, Av Tecnológico km 4 1/2, MX-97118 Merida, Yucatan, Mexico

Food Chem 2007 **103** (3) 1032

A review of volatile analytical methods for determining the botanical origin of honey

Karoui R, De Baerdemaeker J// KU Leuven, Department Biosyst, Div Mechatronics Biostat & Sens, Kasteelpark Arenberg 30, BE-3001 Leuven, Belgium

Food Chem 2007 **102** (3) 621

A review of the analytical methods coupled with chemometric tools for the determination of the quality and identity of dairy products

Onal A// Istanbul Univ, Fac Pharm, Dept Anal Chem, TR-34116 Beyazit, Istanbul, Turkey

Food Chem 2007 **103** (4) 1475

A review: Current analytical methods for the determination of biogenic amines in foods

Sneddon J, Rode PW, Hamilton MA, Pingeli S, Hagen JP// McNeese State Univ, Dept Chem, POB 90455, Lake Charles, La 70609, USA

Appl Spectrosc Rev 2007 **42** (1) 23

Determination of metals in seafood and fish in Southwest Louisiana

3. Amino acids, proteins & enzymes

Cilindre C, Castro AJ, Clement C, Jeandet P, Marchal R// Univ Reims, URVVC, UPRES EA 2069, Lab Oenol & Chim Appl, BP 1039, FR-51687 Reims 2, France

Food Chem 2007 **103** (1) 139

Influence of *Botrytis cinerea* infection on Champagne wine proteins (characterized by two-dimensional electrophoresis/immunodetection) and wine foaming properties

Comai S, Bertazzo A, Bailoni L, Zancato M, Costa CVL, Allegri G// *University Padova, Department Pharmaceut Sci, Via Marzolo 5, IT-35131 Padua, Italy

Food Chem 2007 **103** (2) 657

Protein and non-protein (free and protein-bound) tryptophan in legume seeds

Cunsolo V, Costa A, Saletti R, Muccilli V, Foti S// *Univ Catania, Dipt Sci Chim, Viale A Doria 6, IT-95125 Catania, Italy

Rapid Commun Mass Spectrom 2007 **21** (8) 1438

Detection and sequence determination of a new variant β -lactoglobulin II from donkey

De Noni I, Pellegrino L, Cattaneo S, Resmini P// Univ Milan, Dipt Sci & Tecnol Alimentari & Microbiol, Via G Celoria 2, IT-20133 Milan, Italy

Int Dairy J 2007 **17** (1) 12

HPLC of protease peptones for evaluating ageing of packaged pasteurized milk

Dernovics M, Giusti P, Lobinski R// *CNRS Unite Mixte Recherche 5034, Equipe Chim Anal Bioinorgan, Helioparc, 2 Ave Pr Angot, FR-64053 Pau, France

J Anal Atom Spectrom 2007 **22** (1) 41

ICP-MS-assisted nanoHPLC-electrospray Q/time-of-flight MS/MS selenopeptide mapping in Brazil nuts

Li B, Chen F, Wang X, Ji B, Wu Y// China Agricultural University, College Food Science & Nutrition Engineering, CN-100083 Beijing, Peoples Republic China

Food Chem 2007 **102** (4) 1135

Isolation and identification of antioxidative peptides from porcine collagen hydrolysate by consecutive chromatography and electrospray ionisation-mass spectrometry

Montavon P, Kucic KR, Bortlik DA// Nestec Ltd, Nestle Res Ctr, CH-1000 Lausanne 26, Switzerland

Anal Biochem 2007 **360** (2) 207

A simple method to measure effective catalase activities: Optimization, validation, and application in green coffee

Zarkadas CG, Gagnon C, Poysa V, Khanizadeh S, Cober ER, Chang V, Gleddie S// Agric & Agri-Food Canada, Cent Expt Farm, ECORC, 960 Carling Ave, Ottawa, Ontario, Canada K1A 0C6

Food Res Int 2007 **40** (1) 111

Protein quality and identification of the storage protein subunits of tofu and null soybean genotypes, using amino acid analysis, one- and two-dimensional gel electrophoresis, and tandem mass spectrometry

Zarkadas CG, Gagnon C, Gleddie S, Khanizadeh S, Cober ER, Guillemette RJ// Agric & Agri-Food Canada, Cent Expt Farm, ECORC, 960 Carling Ave, Ottawa, Ontario, Canada K1A 0C6

Food Res Int 2007 **40** (1) 129

Assessment of the protein quality of fourteen soybean [*Glycine max* (L.) Merr.] cultivars using amino acid analysis and two-dimensional electrophoresis

4. Carbohydrates

He Y, Wu D, Feng SJ, Li XL// Zhejiang University, College Biosystem Engineering & Food Sci, 268 Kaixuan Rd, CN-310029 Hangzhou, Peoples Rep China

Int J Food Prop 2007 **10** (1) 1

Fast measurement of sugar content of yogurt using Vis/NIR-spectroscopy

Ninonuevo MR, Ward RE, LoCascio RG, German JB, Freeman SL, Barboza M, Mills DA, Lebrilla CB// *Univ Calif Davis Sch Med, Dept Biochem & Chem, Davis, Ca 95616, USA

Anal Biochem 2007 **361** (1) 15

Methods for the quantitation of human milk oligosaccharides in bacterial fermentation by mass spectrometry

Tremblay P, Paquin R// *Univ Laval, Dept Phys Genie Phys & Opt, Quebec City, Quebec, Canada G1K 7P4

J Agric Food Chem 2007 **55** (2) 197

Improved detection of sugar addition to maple syrup using malic acid as internal standard and in ^{13}C isotope ratio mass spectrometry (IRMS)

5. Lipids

Aramendia MA, Marinas A*, Marinas JM, Moreno JM, Moalem M, Rallo L, Urbano FJ// *Univ Cordoba, Dept Organ Chem, Marie Curie Bldg, Campus Rabanales, ES-14014 Cordoba, Spain

Rapid Commun Mass Spectrom 2007 **21** (4) 487

Oxygen-18 measurement of Andalusian olive oils by continuous flow pyrolysis/isotope ratio mass spectrometry

As a service to subscribers of Food Chemistry, this bibliography contains newly published material in the field of analytical, nutritional and clinical methods. The bibliography is divided into fourteen sections: 1 Reviews; 2 General; 3 Amino acids, proteins & enzymes; 4 Carbohydrates; 5 Lipids; 6 Vitamins & co-factors; 7 Trace elements & minerals; 8 Drug, biocide & processing residues; 9 Toxins/Allergens; 10 Additives; 11 Flavours & aromas; 12 Organic acids; 13 Animal products; 14 Plant & microbial products. Within each section, articles are listed in alphabetical order with respect to the author. Where there are no papers to appear under a heading, it will be omitted.

- Aursand M, Standal IB, Axelson DE// SINTEF Fisheries & Aquaculture, NO-7465 Trondheim, Norway
J Agric Food Chem 2007 **55** (1) 38
 High-resolution ¹³C nuclear magnetic resonance spectroscopy pattern recognition of fish oil capsules
- Berdeaux O, Fournier V, Lambelet P, Dionisi F, Sebedio JL, Destaillets F// INRA, UMR FLAVIC Department, 17 rue Sully, BP 86510, FR-21065 Dijon, France
J Chromatogr A 2007 **1138** (1-2) 216
 Isolation and structural analysis of the cyclic fatty acid monomers formed from eicosapentaenoic and docosahexaenoic acids during fish oil deodorization
- Canabate-Diaz B, Segura Carretero A*, Fernandez-Gutierrez A, Belmonte Vega A, Garrido Frenich A, Martinez Vidal JL, Duran Martos J// *Univ Granada, Dept Anal Chem, ES-18071 Granada, Spain
Food Chem 2007 **102** (3) 593
 Separation and determination of sterols in olive oil by HPLC-MS
- Colnago LA, Engelsberg M, Souza AA, Barbosa LL// Embrapa Instrumentacao Agropecuaria, Rua 15 Novembro 1452, BR-13560-970 Sao Carlos, SP, Brazil
Anal Chem 2007 **79** (3) 1271
 High-throughput, non-destructive determination of oil content in intact seeds by continuous wave-free precession NMR
- D'Imperio M, Dugo G, Alfa M, Mannina L*, Segre AL// *Univ Molise, Fac Agraria, Dip STAAM, Via De Sanctis, IT-86100 Campobasso, Italy
Food Chem 2007 **102** (3) 956
 Statistical analysis on Sicilian olive oils
- Gagne S, Crane S, Huang Z, Li CS, Bateman KP, Levesque JF// Merck Frosst Canada & Co, Medical Chemistry Department, Quebec City, Quebec, Canada H9H 3L1
J Lipid Res 2007 **48** (1) 252
 Rapid measurement of deuterium-labeled long-chain fatty acids in plasma by HPLC-ESI-MS
- Kahlon TS, Chapman MH, Smith GE// USDA-ARS, Western Regional Res Ctr, 800 Buchanan St, Albany, CA 94710, USA
Food Chem 2007 **103** (2) 676
In vitro binding of bile acids by okra, beets, asparagus, eggplant, turnips, green beans, carrots, and cauliflower
- Kawai Y, Miyoshi M, Moon JH, Terao J// *Univ Tokushima, Grad Sch Nutr & Biosci, Dept Food Sci, Tokushima 770 8503, Japan
Anal Biochem 2007 **360** (1) 130
 Detection of cholesteryl ester hydroperoxide isomers using gas chromatography-mass spectrometry combined with thin-layer chromatography blotting
- Lee J, Chung H, Chang PS, Lee J// *Seoul National University Technology, Dept Food Sci & Technol, 172 Gongneung-2 dong, Nowon-gu, Seoul 139 743, Korea
Food Chem 2007 **103** (2) 662
 Development of a method predicting the oxidative stability of edible oils using 2,2-diphenyl-1-picrylhydrazyl (DPPH)
- Ozer BC, Ozyoruk H, Celebi SS, Yildiz A// *Hacettepe Univ, Dept Chem, TR-06532 Ankara, Turkey
Enzyme Microb Technol 2007 **40** (2) 262
 Amperometric enzyme electrode for free cholesterol determination prepared with cholesterol oxidase immobilized in poly(vinylferrocenium) film
- Perez-Palacios T, Ruiz J, Antequera T// UEx, Fac Vet, Tecnol Alimentos, Avda Universidad s/n, ES-10071 Caceres, Spain
Food Chem 2007 **102** (3) 875
 Improvement of a solid phase extraction method for separation of animal muscle phospholipid classes
- Reig N, Calaf RE, Messeguer A, Morato A, Escabos J, Gelpi E*, Abian J// *IIBB-CSIC, IDIBAPS, Rosello 161, ES-08036 Barcelona, Spain
J Mass Spectrom 2007 **42** (4) 527
 LC-MS ion maps for the characterization of aniline derivatives of fatty acids and triglycerides in laboratory-denatured rapeseed oil
- Rosati O, Albrizio S, Montesano D, Riccieri R, Cossignani L, Curini M, Simonetti MS, Rastrelli L, Damiani P// *Univ Perugia, Dipt SEEA, Sez Chim Bromatol, IT-06100 Perugia, Italy
J Agric Food Chem 2007 **55** (2) 191
 HPLC separation and NMR structural elucidation of *sn*-1,2-, 2,3-, and 1,3-diacylglycerols from olive oil as naphthylethylurethane derivatives
- Ruiz-Mendez MV, Dobarganes MC// Inst de la Grasa, Padre Garcia Tejero 4, ES-41012 Seville, Spain
Food Chem 2007 **103** (4) 1502
 Combination of chromatographic techniques for the analysis of complex deodoriser distillates from an edible oil refining process
- Saad B, Ling CW, Jab MS, Lim BP, Ali ASM, Wai WT, Saleh MI// Univ Sains Malaysia, Sch Chem Sci, MY-11800 Pulau Pinang, Malaysia
Food Chem 2007 **102** (4) 1407
 Determination of free fatty acids in palm oil samples using non-aqueous flow injection titrimetric method
- Salgin U// Cumhuriyet Univ, Dept Chem Engr, TR-58140 Sivas, Turkey
J Supercrit Fluid 2007 **39** (3) 330
 Extraction of jojoba seed oil using supercritical CO₂+ethanol mixture in green and high-tech separation process
- Singh S, Singhal R, Malhotra BD// *Nat Phys Lab, Biomol Elect & Conduct Polymer Res Grp, Dr KS Krishnan Marg, IN-110012 New Delhi, India
Anal Chim Acta 2007 **582** (2) 335
 Immobilization of cholesterol esterase and cholesterol oxidase onto sol-gel films for application to cholesterol biosensor
- Stien LH, Kiessling A, Marine F// Univ Bergen, Dept Biol, POB 7800, NO-5020 Bergen, Norway
J Food Compos Anal 2007 **20** (2) 73
 Rapid estimation of fat content in salmon fillets by colour image analysis

6. Vitamins & co-factors

- Aguilar-Garcia C, Gavino G, Baragano-Mosqueda M, Hevia P, Gavino VC// *Univ Montreal, Dept Nutr, CP 6128, Montreal, Quebec, Canada H3C 3J7
Food Chem 2007 **102** (4) 1228
 Correlation of tocopherol, tocotrienol, γ -oryzanol and total polyphenol content in rice bran with different antioxidant capacity assays
- Choa IK, Rima J, Chang CL, Li QX// *Univ Hawaii Manoa, Dept Mol Biosci & Bioeng, 1955 East West Rd, Honolulu, HI 96822, USA
J Food Compos Anal 2007 **20** (1) 57
 Spectrofluorometric and high-performance liquid chromatographic determination of all-*rac*- α -tocopheryl acetate in virgin olive oil
- Gundersen TE, Bastani NE, Blomhoff R// Univ Oslo, Inst Basic Med Sci, Oslo, Norway
Rapid Commun Mass Spectrom 2007 **21** (7) 1176
 Quantitative high-throughput determination of endogenous retinoids in human plasma using triple-stage liquid chromatography/tandem mass spectrometry
- Hoegger D, Morier P, Vollet C, Heini D, Reymond F, Rossier JS// *Diagnos-Wiss SA, c/o Cimo SA CP, Rte Ile-au-Bois 1, CH-1870 Monthey, Switzerland
Anal Bioanal Chem 2007 **387** (1) 267
 Disposable microfluidic ELISA for the rapid determination of folic acid content in food products

7. Trace elements & minerals

- Dugo G, Pellicano TM, La Pera L*, Lo Turco V, Tamborrino A, Clodoveo ML// *Univ Messina, Dept Organ & Biol Chem, Salita Sperone 31, IT-98166 Messina, Italy
Food Chem 2007 **102** (3) 599
 Determination of inorganic anions in commercial seed oils and in virgin olive oils produced from de-stoned olives and traditional extraction methods, using suppressed ion exchange chromatography (IEC)
- Kulkarni SD, Acharya R, Rajurkar NS, Reddy AVR// *Bhabha Atomic Res Ctr, Radiochem Div, Trombay, IN-400085 Mumbai, India
Food Chem 2007 **103** (2) 681
 Evaluation of bioaccessibility of some essential elements from wheatgrass (*Triticum aestivum* L.) by *in vitro* digestion method
- Li ZJ, Jian T, Liu HZ, Zhou X, Yuan R// Sthn Yangtze Univ, Coll Chem & Mat, CN-214036 Wuxi, Peoples Rep China
J Food Compos Anal 2007 **20** (1) 1
 Determination of trace amounts of germanium in food and fruit by spectrophotometry with *p*-methybenzeneazosalicylflurone
- Locatelli C// Univ Bologna, Dept Chem G Ciamician, Via F Selmi 2, IT-40126 Bologna, Italy
J Sci Food Agric 2007 **87** (2) 305
 Voltammetric methods for the simultaneous determination of trace metals in foods, plant tissues and soils
- Pohl P, Prusisz B// Wroclaw Univ Technol, Fac Chem, Anal Chem Div, Wybrzeze Stanislawo Wyspianskiego 27, PL-50370 Wroclaw, Poland
Food Chem 2007 **102** (4) 1415
 Fractionation analysis of manganese and zinc in tea infusions by two-column solid phase extraction and flame atomic absorption spectrometry
- Ponikvar M, Stibilj V, Zemva B// Jozef Stefan Inst, Dept Inorgan Chem & Technol, Jamova 39, SI-1000 Ljubljana, Slovenia
Food Chem 2007 **103** (2) 369
 Daily dietary intake of fluoride by Slovenian military based on analysis of total fluorine in total diet samples using fluoride ion selective electrode
- Rossano EC, Szilagyi Z, Malorni A, Pocsfalvi G// *Inst Food Sci & Technol, CNR, Proteomic & Biomol Mass Spectrometry Ctr, Via Roma 52 a/c, IT-83100 Avellino, Italy
J Agric Food Chem 2007 **55** (2) 311
 Influence of winemaking practices on the concentration of rare earth elements in white wines studied by inductively coupled plasma mass spectrometry

- Shah M, Meija J, Caruso JA*// *Univ Cincinnati, Dept Chem, Cincinnati, Oh 45221, USA
Anal Chem 2007 **79** (3) 846
 Relative mass defect filtering of high-resolution mass spectra for exploring minor selenium volatiles in selenium-enriched green onions
- Soriano S, Netto ADP, Cassella RJ*// *Univ Fed Fluminense, Inst Quim, Dept Quim Anal, Outeiro Sao Joao Batista s/n, Valonguinho, Centro, BR-24020-150 Niteroi, RJ, Brazil
J Pharm Biomed Anal 2007 **43** (1) 304
 Determination of Cu, Fe, Mn and Zn by flame atomic absorption spectrometry in multivitamin/multimineral dosage forms or tablets after an acidic extraction
- Suvarthan K, Suresh Kumar K, Rekha D, Kiran K, Jaya Raj B, Naidu GKM, Chiranjeevi P*// *SV Univ, Dept Chem, Environm Monitoring Lab, IN-517502 Tirupati, AP, India
Food Chem 2007 **103** (3) 1044
 Selenium determination in various vegetable samples by spectrophotometry
- Turkmen M, Ciminli C// Mustafa Kemal Univ, Fac Fisheries & Aquatic Sci, TR-31040 Antakya, Hatay, Turkey
Food Chem 2007 **103** (2) 670
 Determination of metals in fish and mussel species by inductively coupled plasma-atomic emission spectrometry
- ## 8. Drug, biocide & processing residues
- Biedermann-Brem S, Biedermann M, Fankhauser-Noti A, Grob K*, Helling R// *Official Food Control Authority Canton Zurich, POB, CH-8032 Zurich, Switzerland
Eur Food Res Technol 2007 **224** (3) 309
 Determination of epoxidized soy bean oil (ESBO) in oily foods by GC-FID or GC-MS analysis of the methyl diepoxy linoleate
- Cherlet M, De Baere S, De Backer P// Ghent Univ, Fac Vet Med, Dept Pharmacol Toxicol Biochem & Organ Physiol, Salisburylaan 133, BE-9820 Merelbeke, Belgium
J Mass Spectrom 2007 **42** (5) 647
 Quantitative determination of dihydrostreptomycin in bovine tissues and milk by liquid chromatography-electrospray ionization-tandem mass spectrometry
- Deventer K, Van Thuyne W*, Mikulcikova P, Van Eenoo P, Delbeke FT// *Ghent Univ, Dept Clin Chem Microbiol & Immunol, Doping Control Lab, Technologiepark 30, BE-9052 Zwijnaarde, Belgium
Food Chem 2007 **103** (4) 1508
 Detection of selected stimulants as contaminants in solid nutritional supplements by liquid chromatography-mass spectrometry
- Garcia-Reyes JF, Molina-Diaz A, Fernandez-Alba AR*// *Univ Almeria, Dept Hydrogeol & Anal Chem, Pesticide Residue Res Grp, La Canada de San Urbano, ES-04120 Almeria, Spain
Anal Chem 2007 **79** (1) 307
 Identification of pesticide transformation products in food by liquid chromatography/time-of-flight mass spectrometry via "fragmentation-degradation" relationships
- Holadova K, Prokupkova G, Hajslova J, Poustka J// Institute Chemical Technology, Dept Food Chem & Anal, Tech 3, CZ-16628 Prague 6, Czech Republic
Anal Chim Acta 2007 **582** (1) 24
 Headspace solid-phase microextraction of phthalic acid esters from vegetable oil employing solvent based-matrix modification
- Kettner B, Epperlein N, Bergmuller W, Kramholler B, Speer K// Ilau GmbH, Unterworn 15, DE-83543 Rott am Inn, Germany
Dtsch Lebensm Rundsch 2007 **103** (1) 4
 Determination of 3,5-dichloroaniline and 4-chloroaniline by means of GC/MS-technique after alkaline hydrolysis of selected pesticides (German, English Abstract)
- Lee MR, Chang LY, Dou JP// Natl Chung Hsing Univ, Dept Chem, Taichung 40227, Taiwan
Anal Chim Acta 2007 **582** (1) 19
 Determination of acrylamide in food by solid-phase microextraction coupled to gas chromatography-positive chemical ionization tandem mass spectrometry
- Li ZF, Jian LR, Wang HR, Cui YL// North-Western Agric & Forestry University, College Life Sci, 3 Xinong Rd, CN-712100 Shaanxi, Peoples Rep China
Food Addit Contam 2007 **24** (1) 21
 Flow injection chemiluminescent determination of clenbuterol using GoldMag particles as carrier
- Llorent-Martinez EJ, Garcia-Reyes JF, Ortega-Barrales P, Molina-Diaz A*// *Univ Jaen, Fac Exp Sci, Dept Phys & Anal Chem, Paraje Las Lagunillas, ES-23071 Jaen, Spain
Food Chem 2007 **102** (3) 676
 Multimodulated fluorescence based optosensor for the screening of bitertanol residues in banana samples
- Martin-Calero A, Ayala JH, Gonzalez V, Afonso AM*// *Univ La Laguna, Dept Anal Chem Nutr & Food Sci, Campus Anchieta, Astrofisico Francisco Sanchez s/n, ES-38205 San Cristobal la Laguna, Spain
Anal Chim Acta 2007 **582** (2) 259
 Determination of less polar heterocyclic amines in meat extracts - Fast sample preparation method using solid-phase microextraction prior to high-performance liquid chromatography-fluorescence quantification
- Massarollo E, Sant'Anna ES// Minist Agr, Agr Natl Lab, Livestock & Supply, Porto Alegre, RS, Brazil
Ital J Food Sci 2006 **18** (4) 377
 The development of a method for determining avermectin B1a residues in honey by high performance liquid chromatography
- Moeller N, Mueller-Seitz E, Scholz O, Hillen W, Bergwerff AA, Petz M*// *Univ Wuppertal, Dept Food Chem, Gauss Str 20, DE-42119 Wuppertal, Germany
Eur Food Res Technol 2007 **224** (3) 285
 A new strategy for the analysis of tetracycline residues in foodstuffs by a surface plasmon resonance biosensor
- Noonan GO, Begley TH, Diachenko GW// US/FDA, Ctr Food Safety & Appl Nutr, 5100 Paint Branch Pkwy, College Park, Md 20740, USA
J Chromatogr A 2007 **1139** (2) 271
 Rapid quantitative and qualitative confirmatory method for the determination of monofluoroacetic acid in foods by liquid chromatography-mass spectrometry
- Ren YL, Mahon D// CSIRO, GPO Box 1700, Canberra, ACT 2601, Australia
J Agric Food Chem 2007 **55** (1) 32
 Evaluation of microwave irradiation for analysis of carbonyl sulfide, carbon disulfide, cyanogen, ethyl formate, methyl bromide, sulfurlyl fluoride, propylene oxide, and phosphine in hay
- Scott KA, Turesky RJ, Wainman BC, Josephy PD*// *Univ Guelph, Dept Mol & Cellular Biol, Guelph, Ontario, Canada N1G 2W1
Chem Res Toxicol 2007 **20** (1) 88
 HPLC/electrospray ionization mass spectrometric analysis of the heterocyclic aromatic amine carcinogen 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine in human milk
- Song SL, Ma XD, Li CJ*// *China Agr Univ, Dept Appl Chem, CN-100094 Beijing, Peoples Rep China
Anal Lett 2007 **40** (1) 183
 Rapid multiresidue determination method for 100 pesticides in vegetables by one injection using gas chromatography/mass spectrometry with selective ion storage technology
- Song SL, Ma XD, Li CJ*// *China Agr Univ, Dept Appl Chem, CN-100094 Beijing, Peoples Rep China
Food Control 2007 **18** (5) 448
 Multi-residue determination method of pesticides in leek by gel permeation chromatography and solid phase extraction followed by gas chromatography with mass spectrometric detector
- Spisso BF, Jesus ALDE, De Araujo MAG, Monteiro MA// Fundacao Oswaldo Cruz, National Institute Qual Control Hlth, Av Brasil 4365, Rio de Janeiro, Brazil
Anal Chim Acta 2007 **581** (1) 108
 Validation of a high-performance liquid chromatographic method with fluorescence detection for the simultaneous determination of tetracyclines residues in bovine milk
- Tang CH, Wang WH*// *Natl Sun Yat Sen Univ, Dept Marine Biotechnol & Resources, 70 Lien Hai Rd, Kaohsiung 80424, Taiwan
Anal Chim Acta 2007 **581** (2) 370
 Optimization of an analytical method for determining organotin compounds in fish tissue by base-hydrolysis pretreatment and simultaneous ethylation-extraction procedures
- Vilchez JL, Navalon A*, Araujo L, Prieto A// *Univ Granada, Fac Sci, Dept Anal Chem, Res Grp Anal Chem & Life Sci, Avda Fuenenueva s/n, ES-18071 Granada, Spain
Anal Lett 2007 **40** (3) 601
 Determination of danofloxacin and marbofloxacin in milk samples by micellar liquid chromatography with fluorescence detection
- Vitrac O, Challe B, Leblanc JC, Feigenbaum A// INRA 614, UMR Fractionnement Agro-Resources & Emballage, Moulin de la Housse, FR-51687 Reims 2, France
Food Addit Contam 2007 **24** (1) 75
 Contamination of packaged food by substances migrating from a direct-contact plastic layer: Assessment using a generic quantitative household scale methodology
- Wang S, Cui X, Fang G// Tianjin Univ Sci & Technol, Fac Food Engn & Biotechnol, Tianjin Key Lab Food Nutr & Safety, CN-300457 Tianjin, Peoples Rep China
Food Chem 2007 **103** (4) 1487
 Rapid determination of formaldehyde and sulfur dioxide in food products and Chinese herbals

Wang SL, Xu YJ, Pan CP, Jiang S, Liu FM*// *Chinese Agr Univ, Coll Sci, CN-100094 Beijing, Peoples Rep China
Anal Bioanal Chem 2007 **387** (2) 673

Application of matrix solid-phase dispersion and liquid chromatography-mass spectrometry to fungicide residue analysis in fruits and vegetables

Watanabe E, Baba K, Eun H, Miyake S// Natl Inst Agro-Environ Sci, Organochem Div, 3-1-3 Kannondai, Tsukuba City, Ibaraki 305 8604, Japan
Food Chem 2007 **102** (3) 745

Application of a commercial immunoassay to the direct determination of insecticide imidacloprid in fruit juices

Wiberg K, Sparring S, Haglund P, Bjorklund E// Umea Univ, Dept Chem, SE-90187 Umea, Sweden
J Chromatogr A 2007 **1138** (1-2) 55

Selective pressurized liquid extraction of polychlorinated dibenzo-*p*-dioxins, dibenzofurans and dioxin-like polychlorinated biphenyls from food and feed samples

Zeng K, Yang T*, Zhong P, Zhou S, Qu L, He J, Jiang Z// *Inst Space Medico-Engn, Dept Cell & Mol Biol - 13th Dept, 1 West Yuanmingyuan Rd, PO Box 5104, CN-100094 Beijing, Peoples Rep China
Food Chem 2007 **102** (4) 1076

Development of an indirect competitive immunoassay for parathion in vegetables

Zhang SX, Wang ZH, Nesterenko IS, Eremin SA, Shen JZ*// *China Univ Agr, Coll Vet Med, Dept Vet Pharmacol & Toxicol, CN-100094 Beijing, Peoples Rep China
Int J Food Sci Technol 2007 **42** (1) 36

Fluorescence polarisation immunoassay based on a monoclonal antibody for the detection of sulphamethazine in chicken muscle

Zhang YL, Lu SX, Liu W, Zhao CB, Xi RM*// *Shandong Univ, Sch Chem & Chem Engn, CN-250100 Jinan, Peoples Rep China
J Agric Food Chem 2007 **55** (2) 211

Preparation of anti-tetracycline antibodies and development of an indirect heterologous competitive enzyme-linked immunosorbent assay to detect residues of tetracycline in milk

Zvirdauskienė R, Salomskienė J*// *Kaunas Univ Technol, Food Inst, Taikos pr 92, LT-51180 Kaunas, Lithuania
Food Control 2007 **18** (5) 541

An evaluation of different microbial and rapid tests for determining inhibitors in milk

9. Toxins/Allergens

Adanyi N, Levkovets IA, Rodriguez-Gil S, Ronald A, Varadi M, Szendro I// Central Food Research Institute, Herman Otto ut 15, HU-1022 Budapest, Hungary
Biosens Bioelectron 2007 **22** (6) 797

Development of immunosensor based on OWLS technique for determining aflatoxin B₁ and ochratoxin A

Aghamohammadi M, Hashemi J, Kram GA, Alizadeh N*// *Tarbiat Modares Univ, Fac Sci, Dept Chem, POB 14115-111, Tehran, Iran
Anal Chim Acta 2007 **582** (2) 288

Enhanced synchronous spectrofluorimetric determination of aflatoxin B₁ in pistachio samples using multivariate analysis

Barricelli M, Schmidt K, Boerner B// Inst Lebensmittel Arzneimittel & Tierseuchen Berlin, DE-10557 Berlin, Germany
Dtsch Lebensm Rundsch 2007 **103** (1) 1

Determination of ochratoxin A in spices by liquid chromatography-tandem mass spectrometry after immunoaffinity column clean-up (German, English Abstract)

Brenn-Struckhoffova Z, Cichna-Markl M*, Bohm C, Razzazi-Fazeli E// *Univ Vienna, Department Anal & Food Chem, Währinger Str 38, AT-1090 Vienna, Austria
Anal Chem 2007 **79** (2) 710

Selective sample cleanup by reusable sol-gel immunoaffinity columns for determination of deoxynivalenol in food and feed samples

Cavaliere C, Foglia P, Guarino C, Nazzari M, Samperi R, Lagana A*// *Univ La Sapienza, Dipt Chim, Piazzale Aldo Moro 5, IT-00185 Rome, Italy
Rapid Commun Mass Spectrom 2007 **21** (4) 550

A sensitive confirmatory method for aflatoxins in maize based on liquid chromatography/electrospray ionization tandem mass spectrometry

De Champdore M, Bazzicalupo P, De Napoli L, Montesarchio D, Di Fabio G, Coccozza I, Parracino A, Rossi M, D'Auria S*// *CNR, Inst Prot Biochem, IT-80125 Naples, Italy
Anal Chem 2007 **79** (2) 751

A new competitive fluorescence assay for the detection of patulin toxin

He XH, Brandon DL, Chen GQ, McKeon TA, Carter JM*// *USDA/Agric Res Serv, Western Region Research Center, 800 Buchanan Street, Albany, Ca 94710, USA
J Agric Food Chem 2007 **55** (2) 545

Detection of castor contamination by real-time polymerase chain reaction

Li JK, Wu RN, Hu QH, Wang JH// Shaanxi Normal Univ, Dept Food Engn, CN-710062 Xian, Peoples Rep China
Food Control 2007 **18** (5) 530

Solid-phase extraction and HPLC determination of patulin in apple juice concentrate

Suzuki T, Munakata Y, Morita K, Shinoda T, Ueda H*// *Univ Tokyo, Sch Engn, Dept Chem & Biotechnol, 7-3-1 Hongo, Bunkyo ku, Tokyo 113 8656, Japan
Anal Sci 2007 **23** (1) 65

Sensitive detection of estrogenic mycotoxin zearalenone by open sandwich immunoassay

10. Additives

Dvorak J, Dostalek P*, Sterba K, Cejka P, Kellner V, Culik J, Beinrohr E// *Prague Inst Chem Technol, Dept Fermentat Chem & Bioengn, Technicka 5, CZ-16628 Prague 6, Czech Republic
J Inst Brew 2006 **112** (4) 308

Determination of total sulphur dioxide in beer samples by flow-through chronopotentiometry

He LM, Su YJ, Zeng ZL*, Liu YH, Huang XH// *Sth China Agr Univ, Coll Vet Med, Ctr Vet Drug Residues, CN-510642 Guangzhou, Guangdong, Peoples Rep China
Anim Feed Sci Technol 2007 **132** (3-4) 316

Determination of ractopamine and clenbuterol in feeds by gas chromatography-mass spectrometry

Mejia E, Ding Y, Mora MF, Garcia CD*// *Univ Texas San Antonio, Dept Chem, San Antonio, Tx 78249, USA
Food Chem 2007 **102** (4) 1027

Determination of banned Sudan dyes in chili powder by capillary electrophoresis

Yang X, Zhang H// Wenzhou Med Coll, Dept Pharm, CN-325035 Wenzhou, Zhejiang, Peoples Rep China
Food Chem 2007 **102** (4) 1223

Sensitive determination of kojic acid in foodstuffs using PVP (polyvinylpyrrolidone) modified acetylene black paste electrode

Zhang C, Suslick KS*// *Univ Illinois, Dept Chem, 600 Sth Mathews Ave, Urbana, Il 61801, USA
J Agric Food Chem 2007 **55** (2) 237

Colorimetric sensor array for soft drink analysis

11. Flavours & aromas

Baccouri B, Ben Temime S, Campeol E, Cioni PL, Daoud D, Zarrouk M*// *Technopole Borj Cedria, Lab Caracterisat & Qual Huile Olive, Ctr Biotechnol, BP 901, TN-2050 Ben Arous, Hammam-Lif, Tunisia
Food Chem 2007 **102** (3) 850

Application of solid-phase microextraction to the analysis of volatile compounds in virgin olive oils from five new cultivars

Carasek E, Cudjoe E, Pawliszyn J*// *Univ Waterloo, Dept Chem, Waterloo, Ontario, Canada N2L 3G1
J Chromatogr A 2007 **1138** (1-2) 10

Fast and sensitive method to determine chloroanisoles in cork using an internally cooled solid-phase microextraction fiber

Chin ST, Nazimah SAH*, Quek SY, Man YBC, Rahman RA, Hashim DM// *Univ Pertanian Malaysia, Fac Food Sci & Technol, Dept Food Sci, MY-43400 Serdang, Selangor, Malaysia
J Food Compos Anal 2007 **20** (1) 31

Analysis of volatile compounds from Malaysian durians (*Durio zibethinus*) using headspace SPME coupled to fast GC-MS

Dhaouadi A, Monser L, Sadok S, Adhoum N*// *Inst Nat Sci Appl & Technol, Lab Chim Anal & Electrochim, Ctr Urbain Nord, BP 676, TN-1080 Tunis, Tunisia
Food Chem 2007 **103** (3) 1049

Validation of a flow-injection-gas diffusion method for total volatile basic nitrogen determination in seafood products

Fedrizzi B, Magno F, Moser S, Nicolini G, Versini G*// *IASMA Research Centre, Agri-Food Qual Dept, Via Mach 1, IT-38010 San Michele all'Adige, Italy
Rapid Commun Mass Spectrom 2007 **21** (5) 707

Concurrent quantification of light and heavy sulphur volatiles in wine by headspace solid-phase microextraction coupled with gas chromatography/mass spectrometry

Flamini R, Vedova AD, Cancian D, Panighel A, De Rosso M// Ist Sperimentale Vitecoltura - Lab Chim, Viale XXVIII Aprile 26, IT-31015 Conegliano, TV, Italy
J Mass Spectrom 2007 **42** (5) 641

GC/MS-positive ion chemical ionization and MS/MS study of volatile benzene compounds in five different woods used in barrel making

- Lachenmeier DW// CVUA, Weissenbruger Str 3, DE-76187 Karlsruhe, Germany
Food Res Int 2007 **40** (1) 167
Assessing the authenticity of absinthe using sensory evaluation and HPTLC analysis of the bitter principle absinthin
- Larcher R, Nicolini G, Puecher C, Bertoldi D, Moser S, Favaro G// IASMA Res Ctr, Agrifood Qual Dept, V Mach 1, IT-38010 San Michele all'Adige, TN, Italy
Anal Chim Acta 2007 **582** (1) 55
Determination of volatile phenols in wine using high-performance liquid chromatography with a coulometric array detector
- Ohashi M, Omae H, Hashida M, Sowa Y, Imai S// Nara Prefectural Inst Hyg & Environm, 57-6 Ohmori cho, Nara 630 8131, Japan
J Chromatogr A 2007 **1138** (1-2) 262
Determination of vanillin and related flavor compounds in cocoa drink by capillary electrophoresis
- Pino V, Ayala JH, Gonzalez V, Afonso AM// *Univ La Laguna, Dept Anal Chem Nutr & Food Sci, Campus Anchieta, Astrofisico Francisco Sanchez s/n, ES-38205 La Laguna, Spain
Anal Chim Acta 2007 **582** (1) 10
Focused microwave-assisted micellar extraction combined with solid-phase microextraction-gas chromatography/mass spectrometry to determine chlorophenols in wood samples
- Povolo M, Contarini G, Mele M, Secchiari P// CRA Ist Sperimentale Lattiero Caseario, IT-26900 Lodi, Italy
J Dairy Sci 2007 **90** (2) 556
Study on the influence of pasture on volatile fraction of ewes' dairy products by solid-phase microextraction and gas chromatography-mass spectrometry
- Riu M, Mestres M, Busto O, Guasch J// *Univ Rovira & Virgili, Dept Quim Analit & Quim Organ, Unitat Enol, CeRTA, ES-430070 Tarragon, Spain
J Chromatogr A 2007 **1138** (1-2) 18
Comparative study of two chromatographic methods for quantifying 2,4,6-trichloranisole in wines
- Vichi S, Santini C, Natali N, Riponi C, Lopez-Tamames E, Buxaderas S// Univ Barcelona, Fac Farm, Dept Nutr & Bromatol, Ctr Referencia Tecnol Alimentos, Avda Joan XXIII s/n, ES-08028 Barcelona, Spain
Food Chem 2007 **102** (4) 1260
Volatile and semi-volatile components of oak wood chips analysed by accelerated solvent extraction (ASE) coupled to gas chromatography-mass spectrometry (GC-MS)
- Xie WC, Tang J*, Gu XH, Luo CR, Wang GY// *Stn Yangtze Univ, Sch Food Sci, MoE Key Lab Food Sci & Safety, CN-214036 Wuxi, Peoples Rep China
J Anal Appl Pyrol 2007 **78** (1) 180
Thermal decomposition study of menthyl-glycoside by TGA/SDTA, DSC and simultaneous Py-GC-MS analysis
- Yu YJ, Huang TM, Yang B, Liu X, Duan GL// *Fudan Univ, Sch Pharm, Dept Pharmaceut Anal, CN-200032 Shanghai, Peoples Rep China
J Pharm Biomed Anal 2007 **43** (1) 24
Development of gas chromatography-mass spectrometry with microwave distillation and simultaneous solid-phase microextraction for rapid determination of volatile constituents in ginger
- ## 12. Organic acids
- Tang Y, Wu M// *Changchun Inst Appl Chem, Nat Anal Res Ctr Electrochem & Spectrosc, 5625 Renmin St, CN-130022 Changchun, Peoples Rep China
Food Chem 2007 **103** (1) 243
The simultaneous separation and determination of five organic acids in food by capillary electrophoresis
- ## 13. Animal products
- Apra E, Biasioli F, Gasperi F, Mott D, Marini F, Mark TD// IASMA Res Ctr, Agrifood Qual Dept, Via E Mach 1, IT-38010 San Michele all'Adige, TN, Italy
Int Dairy J 2007 **17** (3) 226
Assessment of Trentingrana cheese ageing by proton transfer reaction-mass spectrometry and chemometrics
- Cotte JF, Casabianca H, Lheritier J, Perruchietti C, Sanglar C, Waton H, Grenier-Loustalot MF// *Serv Cent Anal, CNRS-USR 059, Echangeur Solaize, BP 22, FR-69390 Vernaison, France
Anal Chim Acta 2007 **582** (1) 125
Study and validity of ¹³C stable carbon isotopic ratio analysis by mass spectrometry and ²H site-specific natural isotopic fractionation by nuclear magnetic resonance isotopic measurements to characterize and control the authenticity of honey
- Erkan N, Ozden O// Istanbul Univ, Fac Fisheries, Dept Seafood Proc & Qual Control, Ordu Caddesi 200, TR-34470 Laleli/Istanbul, Turkey
Food Chem 2007 **102** (3) 721
Proximate composition and mineral contents in aqua cultured sea bass (*Dicentrarchus labrax*), sea bream (*Sparus aurata*) analyzed by ICP-MS
- Karoui R, Lefur B, Grondin C, Thomas E, Demeulemester C, De Baerdemaeker J, Guillard AS// Katholieke Univ Leuven, Dept Biosyst, Div Mechatron Biostat & Sensors, Kasteelpl Arenberg 30, BE-3001 Heverlee, Belgium
Int J Food Sci Technol 2007 **42** (1) 57
Mild-infrared spectroscopy as a new tool for the evaluation of fish freshness
- Karoui R, Schoonheydt R, Decuypere E, Nicolai B, De Baerdemaeker J// Katholieke Univ Leuven, Egg Qual & Incubator Res Grp, Kasteelpl Arenberg 30, BE-3001 Louvain, Belgium
Anal Chim Acta 2007 **582** (1) 83
Front face fluorescence spectroscopy as a tool for the assessment of egg freshness during storage at a temperature of 12.2 °C and 87% relative humidity
- Kaylegian KE, Lynch JM, Fleming JR, Barbano DM// *Cornell Univ, Dept Food Sci, NE Dairy Foods Res Ctr, Ithaca, NY, USA
J Dairy Sci 2007 **90** (2) 602
Lipolysis and proteolysis of modified and producer milks used for calibration of mid-infrared milk analyzers
- Khodabux K, L'Omelette MSS, Jhaumeer-Laulloo S, Ramasami P*, Rondeau P// *Univ Mauritius, Dept Chem, Reduit, Mauritius
Food Chem 2007 **102** (3) 669
Chemical and near-infrared determination of moisture, fat and protein in tuna fishes
- Laube I, Zagon J, Spiegelberg A, Butschke A, Kroh LW, Broll H// Bundesint Risikobewertung, Thielallee 88-92, DE-14195 Berlin, Germany
Int J Food Sci Technol 2007 **42** (1) 9
Development and design of a 'ready-to-use' reaction plate for a PCR-based simultaneous detection of animal species used in foods
- Liu X, Metzger LE// *Univ Minnesota, Dept Food Sci & Nutr, MN-SD Dairy Foods Res Ctr, St Paul, Mn 55108, USA
J Dairy Sci 2007 **90** (1) 24
Application of fluorescence spectroscopy for monitoring changes in nonfat dry milk during storage
- Lopez-Calleja IM, Gonzalez I*, Fajardo V, Hernandez PE, Garcia T, Martin R// *Univ Complutense, Fac Vet, Dept Nutr Bromatol & Tecnol Alimentos, ES-28040 Madrid, Spain
Int Dairy J 2007 **17** (1) 87
Application of an indirect ELISA and a PCR technique for detection of cows' milk in sheep's and goats' milk cheeses
- Moller JKS, Adamsen CE, Catharino RR, Skibsted LH, Eberlin MN// Royal Vet & Agric Univ, Dept Food Sci Food Chem, Rolighedsvej 30, DK-1958 Frederiksberg C, Denmark
Meat Sci 2007 **75** (2) 203
Mass spectrometric evidence for a zinc-porphyrin complex as the red pigment in dry-cured Iberian and Parma ham
- Rodriguez-Nogales JM, Vazquez F// Univ Valladolid, ETS Ingn Agrarias, Area Tecnol Alimentos, Campus La Yutera, Avda Madrid 57, ES-34004 Palencia, Spain
Food Control 2007 **18** (5) 580
Application of electrophoretic and chemometric analysis to predict the bovine, ovine and caprine milk percentages in Panela cheese, an unripened cheese
- Santaclara FJ, Espineira M, Cabado AG, Vieites JM// ANFACO-CECOPESCA, Area Mol Biol & Biotechnol, ES-36310 Vigo, Spain
J Agric Food Chem 2007 **55** (2) 305
Detection of land animal remains in fish meals by the polymerase chain reaction-restriction fragment length polymorphism technique
- ## 14. Plant & microbial products
- Alexander TW, Reuter T, Okine E, Sharma R, McAllister TA// *Agric & Agri-Food Canada, Res Ctr, POB 3000, Lethbridge, Alberta, Canada T1J 4B1
Br J Nutr 2006 **96** (6) 997
Conventional and real-time polymerase chain reaction assessment of the fate of transgenic DNA in sheep fed Roundup Ready® rapeseed meal
- Aranda M, Morlock G// *Univ Hohenheim, Inst Food Chem, Garbenstr 28, DE-70599 Stuttgart, Germany
Rapid Commun Mass Spectrom 2007 **21** (7) 1297
New method for caffeine quantification by planar chromatography coupled with electrospray ionization mass spectrometry using stable isotope dilution analysis
- Arapitsas P, Menichetti S, Vincieri FF, Romani A// *Univ Florence, Dipt Sci Farmaceut, Polo Sci & Technol, Via U Schiff 6, IT-50019 Sesto Fiorentino, FI, Italy
J Agric Food Chem 2007 **55** (1) 48
Hydrolyzable tannins with the hexahydroxydiphenol unit and the *m*-depsidic link: HPLC-DAD-MS identification and model synthesis
- Athanasios M, Georgios L, Michael K// *Agr Univ Athens, Food Sci & Technol Dept, Iera Odos 75, GR-11855 Athens, Greece
Food Chem 2007 **102** (3) 606
A rapid microwave-assisted derivatization process for the determination of phenolic acids in brewer's spent grains

- Babu VRS, Patra S, Karanth NG, Kumar MA, Thakur MS// *Cent Food Technol Res Inst, Fermentat Technol & Bioengn Dept, IN-570020 Mysore, India
Anal Chim Acta 2007 **582** (2) 329
Development of a biosensor for caffeine
- Capote FP, Rodriguez JML, Luque de Castro MD// Univ Cordoba, Dept Anal Chem, Annex C-3, Campus Rabanales, ES-14071 Cordoba, Spain
J Chromatogr A 2007 **1139** (2) 301
Determination of phenolic compounds in grape skin by capillary electrophoresis with simultaneous dual fluorescence and diode array absorption detection after dynamic superheated liquid leaching
- Cetkovic GS, Mandic AI, Canadanovic-Brunet JM, Djilas SM, Tumbas VT// Fac Technol, Dept Organ Chem, Blvd Cara Lazara 1, Novi Sad 21000, Serbia
J Liq Chromatogr Relat Technol 2007 **30** (2) 293
HPLC screening of phenolic compounds in winter savory (*Satureja montana* L.) extracts
- Chukwumah YC, Walker LT*, Verghese M, Bokanga M, Ogotu S, Alphonse K// *Alabama A&M Univ, Dept Food & Anim Sci, POB 1628, Normal, AL 35762, USA
J Agric Food Chem 2007 **55** (2) 285
Comparison of extraction methods for the quantification of selected phytochemicals in peanuts (*Arachis hypogaea*)
- Dragovic-Uzelac V, Levaj B, Mrkic V, Bursac D, Boras M// Fac Food Technol & Biotechnol, Dept Food Technol, Pierottijeva 6, HR-10000 Zagreb, Croatia
Food Chem 2007 **102** (3) 966
The content of polyphenols and carotenoids in three apricot cultivars depending on stage of maturity and geographical region
- Fraser PD, Enfissi EMA, Goodfellow M, Eguchi T, Bramley PM// *Univ London Royal Holloway & Bedford New Coll, Sch Biol Sci, Egham TW20 0EX, England
Plant J 2007 **49** (3) 552
Metabolite profiling of plant carotenoids using the matrix-assisted laser desorption ionization time-of-flight mass spectrometry
- Green CO, Wheatley AO*, Osagie AU, Morrison EYSA, Asemota HN// *Univ West Indies, Department Basic Med Sci Biochem, Mona Campus, Kingston 7, Jamaica
Biomed Chromatogr 2007 **21** (1) 48
Determination of polymethoxylated flavones in peels of selected Jamaican and Mexican citrus (*Citrus* spp) cultivars by high-performance liquid chromatography
- Harrison B, Ellis J, Broadhurst D, Reid K, Goodacre R, Priest FG// Heriot Watt Univ, Int Ctr Brewing & Distilling, Edinburgh EH14 4AS, Scotland
J Inst Brew 2006 **112** (4) 333
Differentiation of peats used in the preparation of malt for Scotch whisky production using Fourier transform infrared spectroscopy
- He Y, Li XL, Deng XF// Zhejiang Univ, Coll Biosyst Engn & Food Sci, CN-310029 Hangzhou, Peoples Rep China
J Food Eng 2007 **79** (4) 1238
Discrimination of varieties of tea using near infrared spectroscopy by principal component analysis and BP model
- He Y, Li XL, Shao YN// Zhejiang Univ, Coll Biosyst Engn & Food Sci, 268 Kaixuan Rd, CN-310029 Hangzhou, Peoples Rep China
Int J Food Prop 2007 **10** (1) 9
Fast discrimination of apple varieties using Vis/NIR spectroscopy
- Hom NH, Becker HC, Mollers C// *Univ Gottingen, Inst Agron & Plant Breeding, Von Siebold Str 8, DE-37075 Gottingen, Germany
Euphytica 2007 **153** (1-2) 27
Non-destructive analysis of rapeseed quality by NIRS of small seed samples and single seeds
- Iglesias M, Besalu E, Antico E// Univ Girona, Dept Chem, ES-17071 Girona, Spain
J Agric Food Chem 2007 **55** (2) 219
Internal standardization-atomic spectrometry and geographical pattern recognition techniques for the multielement analysis and classification of Catalonian red wines
- Jin YZ, Row KH// *Inha Univ, Ctr Adv Bioprocess Technol, 253 Yonghyun dong, Nam gu, Incheon 402 751, South Korea
J Liq Chromatogr Relat Technol 2007 **30** (3) 335
Separation of catechin compounds by retention theory in RP-HPLC
- Kang J, Hick LA, Price WE// *Univ Wollongong, Dept Chem, Wollongong, NSW 2522, Australia
Rapid Commun Mass Spectrom 2007 **21** (6) 857
A fragmentation study of isoflavones in negative electrospray ionization by MSⁿ ion trap mass spectrometry and triple quadrupole mass spectrometry
- Khanchi AR, Mahani MK, Hajhosseini M, Maragheh MG, Chalooosi M, Bani F// Atom Energy Organization Iran, Jabber Ibn Hayan Res Labs, PO Box 11365-8486, Tehran, Iran
Food Chem 2007 **103** (3) 1062
Simultaneous spectrophotometric determination of caffeine and theobromine in Iranian tea by artificial neural networks and its comparison with PLS
- Lu HX, Wang JB, Wang XC, Lin XC, Wu XP, Xie ZH// *Fuzhou Univ, MoE Key Lab Anal & Detect Tech Food Saf, CN-350002 Fuzhou, Peoples Rep China
J Pharm Biomed Anal 2007 **43** (1) 352
Rapid separation and determination of structurally related anthraquinones in rhu-barb by pressurized capillary electrochromatography
- Matos LC, Pereira JA, Andrade PB, Seabra RM, Oliveira MBPP// Univ Porto, Fac Farm, Serv Bromatol, R Anibal Cunha 164, PT-4099-030 Porto, Portugal
Food Chem 2007 **102** (3) 976
Evaluation of a numerical method to predict the polyphenols content in mono-varietal olive oils
- Pongsuwan W, Fukusaki E*, Bamba T, Yonetani T, Yamahara T, Kobayashi A// *Osaka Univ, Grad Sch Engn, Dept Biotechnol, Osaka, Japan
J Agric Food Chem 2007 **55** (2) 231
Prediction of Japanese green tea ranking by gas chromatography/mass spectrometry-based hydrophilic metabolite fingerprinting
- Remsberg CM, Yanez JA, Roupe KA, Davies NM// *Washington State Univ, Coll Pharm, Dept Pharmaceut Sci, Pullman, WA 99164, USA
J Pharm Biomed Anal 2007 **43** (1) 250
High-performance liquid chromatographic analysis of pterostilbene in biological fluids using fluorescence detection
- Rostagno MA, Palma M*, Barroso CG// *Univ Cadiz, Fac Ciencias, Dept Quim Anal, POB 40, ES-11510 Cadiz, Spain
Anal Chim Acta 2007 **582** (2) 243
Fast analysis of soy isoflavones by high-performance liquid chromatography with monolithic columns
- Scampicchio M, Lawrence NS, Arecchi A, Cosio S, Mannino S// *Univ Milan, Dept Food Sci & Technol, Via Celoria 2, IT-20133 Milan, Italy
Electroanalysis 2007 **19** (1) 85
Voltammetric detection of free sulfhydryl compounds in food flours
- Sentandreu E, Izquierdo L, Sendra JM// *Inst Agroquim & Tecnol Alimentos, POB 73, ES-46100 Burjassot, Spain
Eur Food Res Technol 2007 **224** (4) 421
Differentiation of juices from clementine (*Citrus clementina*), clementine-hybrids and satsuma (*Citrus unshiu*) cultivars by statistical multivariate discriminant analysis of their flavanone-7-O-glycosides and fully methoxylated flavones content as determined by liquid chromatography
- Serrano J, Goni I*, Saura-Calixto F// *Univ Complutense, Fac Farm, Dept Nutr & Bromatol I, Avda Complutense s/n, Ciudad Univ, ES-28040 Madrid, Spain
Food Res Int 2007 **40** (1) 15
Food antioxidant capacity determined by chemical methods may underestimate the physiological antioxidant capacity
- Shi ZH, Zhu XM, Cheng Q, Zhang HY// Hebei Univ, Key Lab Anal Sci & Technol, CN-071002 Baoding, Hebei, Peoples Rep China
J Liq Chromatogr Relat Technol 2007 **30** (2) 255
Micellar extraction and preconcentration of anthraquinone derivatives from rhu-barb prior to their HPLC-DAD determination
- Tuberoso CIG, Kowalczyk A, Sarritzu E, Cabras P// Univ Cagliari, Dept Toxicol, Via Ospedale 72, IT-09124 Cagliari, Italy
Food Chem 2007 **103** (4) 1494
Determination of antioxidant compounds and antioxidant activity in commercial oilseeds for food use
- Tzanavaras PD, Themelis DG// Cosmopharm Ltd, Qual Control Dept, POB 42, GR-20100 Korinthos, Greece
Anal Chim Acta 2007 **581** (1) 89
Development and validation of a high-throughput high-performance liquid chromatographic assay for the determination of caffeine in food samples using a monolithic column
- Venzie JL, Castro J, Krishna MVB, Nelson DM, Marcus RK// *Clemson Univ, Dept Chem, Biosyst Res Complex, 51 New Cherry St, Clemson, SC 29634, USA
Anal Bioanal Chem 2007 **387** (1) 321
Electron-impact and glow-discharge ionization LC-MS analysis of green tea tincture
- Versari A, Boulton RB, Parpinello GP// Univ Calif Davis, Dept Viticulture & Enol, Davis, CA 95616, USA
Ital J Food Sci 2006 **18** (4) 423
Effect of spectral pre-processing methods on the evaluation of the color components of red wines using Fourier-transform infrared spectrometry
- Wu JG, Shi CH// *Zhejiang Univ, Coll Agric & Biotechnol, Agron Dept, CN-310029 Hangzhou, Peoples Rep China
Food Chem 2007 **103** (3) 1054
Calibration model optimization for rice cooking characteristics by near infrared reflectance spectroscopy (NIRS)
- Yang LT, Guo JC, Pan AH, Zhang HB, Zhang KW, Wang ZM, Zhang DB// *Shanghai Jiao Tong Univ, Sch Life Sci & Biotechnol, SJTU-SIBS-PSU Joint Ctr Life Sci, CN-200240 Shanghai, Peoples Rep China
J Agric Food Chem 2007 **55** (1) 15
Event-specific quantitative detection of nine genetically modified maize using one novel standard reference molecule